

Title (en)

REDOX FLOW BATTERY AND METHOD FOR OPERATING A REDOX FLOW BATTERY

Title (de)

REDOX-FLOW-BATTERIE UND VERFAHREN ZUM BETREIBEN EINER REDOX-FLOW-BATTERIE

Title (fr)

BATTERIE REDOX ET PROCÉDÉ DE FONCTIONNEMENT D'UNE BATTERIE REDOX

Publication

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Application

EP 18730266 A 20180528

Priority

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Abstract (en)

[origin: WO2018224346A1] The invention relates to a rechargeable redox flow battery and to a method for operating an electrically rechargeable redox flow battery. A redox flow battery comprising a first and second chamber which are separated by a membrane, wherein the first chamber comprises a cathode and the second chamber comprises an anode, is initially provided. A first electrolyte is routed into the first chamber as catholyte and a second electrode is routed into the second chamber as anolyte, wherein the first and/or second electrolyte comprises a reduction-oxidation pair, and wherein the oxidation number of the reduction-oxidation pair is changed by adding a first component to the first and/or second electrolyte and/or the oxidation number is changed electrochemically.

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